AUTHOR INDEX, VOLUME 48

ALBERT, A. The *in vitro* determination of the biological decay of thyroidal radioiodine, 334

ALBERT, A., see JOHNSON, HERBERT W., 669

ALBERT, A., see RANDELL, RAYMOND V., 327

ALBERT, A., see RANDELL, RAYMOND V., 339

ALMAN, RALPH W., see FAZEKES, JOSEPH F., 169

ASHENBRUCKER, HELEN, see HAMILTON, L. D., 44

ASLING, C. WILLET, W. O. REINHARDT AND CHOH HAO LI. Effects of adrenocorticotropic hormone on body growth, visceral proportions, and white blood cell counts of normal and hypophysectomized male rats, 534

ASLING, C. WILLET, see ULRICH, FRANK, 245

BAKER, BURTON L., see INGLE, DWIGHT J., 313

BAKER, BURTON L., see INGLE, DWIGHT J., 764

BARKER, S. B., C. E. KIELY, JR., H. M. KILTGAERD, H. B. DIRKS, JR., S. C. WANG AND S. WAWZONAK. Metabolic effects of some halogenated acrylic acid analogues of thyroxine, 70

BARKER, S. B., see KILTGAARD, H. M., 525

BARKER, WALTER L. A cytochemical study of lipids in sow's ovaries during the estrous cycle, 772

BARRETT, HAROLD W., AND F. X. GASSNER. Effect of 5-halogeno-2-thiouracil and of 6-methyl-5-iodo-2-thiouracil on oxygen consumption in rats, 197

BARRETT, HAROLD W., F. X. GASSNER AND KARL DITTMER. Antithyroid activity of 5-halogeno-2-thiouracils, 189

BERN, HOWARD A. Estrogen and alkaline phosphatase activity in the genital tract of the male mouse, 25

BLACK-SCHAFFER, BERNARD, see PESCHEL, ERNST, 399

BOATMAN, JOSEPH B., AND CAMPBELL MOSES. Radioiodine concentrations and clearances in rats receiving iodine, thyroid and propylthiouracil, 413

BOWEN, H. F., see STEWART, G. S., 568

BRENEMAN, W. R., AND RICHARD C. MASON. Androgen influence on pituitary-gonad interrelationship, 752

BRYANS, F. E. Progesterone of the blood in the menstrual cycle of the monkey, 733

BURDICK, H. O., AND MALCOLM CRUMP. The effect of induced ovulation on pregnancy, 273

BYRNES, WILLIAM W., AND ROLAND K. MEYER. The inhibition of gonadotrophic hormone secretion by physiological doses of estrogen, 133

CARROLL, K. K. Effect of dietary fats and oils on adrenal cholesterol, 101

CANTAROW, A., see WILLIAMS, T. L., 651

CARTWRIGHT, G. E., see HAMILTON, L. D., 44

CHAIKOFF, I. L., see GOLDBERG, R. C., 1

CHANG, M. C. Maintenance of pregnancy in intact rabbits in the absence of corpora lutea, 17

COHEN, SAUL L., see HARRIS, RUTH SLATON, 264

COPP, D. HAROLD, see ULRICH, FRANK, 245

CRUMP, MALCOLM, see BURDICK, H. O., 273

DALLEMAGNE, M. J., see GOVAERTS, J., 443

D'ANGELO, SAVINO A. Disappearance rate of exogenous thyrotrophin from the blood of normal and hypophysectomized rats, 249

AUTHOR INDEX, VOLUME 48

ALBERT, A. The *in vitro* determination of the biological decay of thyroidal radioiodine, 334

ALBERT, A., see JOHNSON, HERBERT W., 669

ALBERT, A., see RANDELL, RAYMOND V., 327

ALBERT, A., see RANDELL, RAYMOND V., 339

ALMAN, RALPH W., see FAZEKES, JOSEPH F., 169

ASHENBRUCKER, HELEN, see HAMILTON, L. D., 44

ASLING, C. WILLET, W. O. REINHARDT AND CHOH HAO LI. Effects of adrenocorticotropic hormone on body growth, visceral proportions, and white blood cell counts of normal and hypophysectomized male rats, 534

ASLING, C. WILLET, see ULRICH, FRANK, 245

BAKER, BURTON L., see INGLE, DWIGHT J., 313

BAKER, BURTON L., see INGLE, DWIGHT J., 764

BARKER, S. B., C. E. KIELY, JR., H. M. KILTGAERD, H. B. DIRKS, JR., S. C. WANG AND S. WAWZONAK. Metabolic effects of some halogenated acrylic acid analogues of thyroxine, 70

BARKER, S. B., see KILTGAARD, H. M., 525

BARKER, WALTER L. A cytochemical study of lipids in sow's ovaries during the estrous cycle, 772

BARRETT, HAROLD W., AND F. X. GASSNER. Effect of 5-halogeno-2-thiouracil and of 6-methyl-5-iodo-2-thiouracil on oxygen consumption in rats, 197

BARRETT, HAROLD W., F. X. GASSNER AND KARL DITTMER. Antithyroid activity of 5-halogeno-2-thiouracils, 189

BERN, HOWARD A. Estrogen and alkaline phosphatase activity in the genital tract of the male mouse, 25

BLACK-SCHAFFER, BERNARD, see PESCHEL, ERNST, 399

BOATMAN, JOSEPH B., AND CAMPBELL MOSES. Radioiodine concentrations and clearances in rats receiving iodine, thyroid and propylthiouracil, 413

BOWEN, H. F., see STEWART, G. S., 568

BRENEMAN, W. R., AND RICHARD C. MASON. Androgen influence on pituitary-gonad interrelationship, 752

BRYANS, F. E. Progesterone of the blood in the menstrual cycle of the monkey, 733

BURDICK, H. O., AND MALCOLM CRUMP. The effect of induced ovulation on pregnancy, 273

BYRNES, WILLIAM W., AND ROLAND K. MEYER. The inhibition of gonadotrophic hormone secretion by physiological doses of estrogen, 133

CARROLL, K. K. Effect of dietary fats and oils on adrenal cholesterol, 101

CANTAROW, A., see WILLIAMS, T. L., 651

CARTWRIGHT, G. E., see HAMILTON, L. D., 44

CHAIKOFF, I. L., see GOLDBERG, R. C., 1

CHANG, M. C. Maintenance of pregnancy in intact rabbits in the absence of corpora lutea, 17

COHEN, SAUL L., see HARRIS, RUTH SLATON, 264

COPP, D. HAROLD, see ULRICH, FRANK, 245

CRUMP, MALCOLM, see BURDICK, H. O., 273

DALLEMAGNE, M. J., see GOVAERTS, J., 443

D'ANGELO, SAVINO A. Disappearance rate of exogenous thyrotrophin from the blood of normal and hypophysectomized rats, 249

D'Angelo, Savino A. The effect of acute starvation on the thyrotrophic hormone level in the blood of the rat and mouse, 341

Deane, Helen Wendler, and Lytt I. Gardner. Ouabain and the adrenal cortex, 237

Dirks, H. B., Jr., see Barker, S. B., 70

Dirks, H. B., see Kiltgaard, H. M., 525

Dittmer, Karl, see Barrett, Harold W., 189

Dorfman, Ralph I., see Kline, Irene T., 34

Dorfman, Ralph I., see Kline, Irene T., 39

Dorfman, Ralph I., see Kline, Irene T., 345

Dougherty, J., J. Gross and C. P. Leblond. Steady state of the thyroidal iodine, 700

Dougherty, Thomas F., and L. F. Kumagai. Influence of stress stimuli on lymphatic tissue of adrenalectomized mice, 691

Dowdy, Andrew H., see Haley, Thomas J., 365

Duff, G. Lyman, and W. E. Toreson, Prevention and reversal despite hyperglycemia of glycogen infiltration ("hydropic degeneration") in the pancreas in alloxan diabetes in the rabbit, 289

Durgin, M. L., and Roland K. Meyer. Effect of adreno-cortical extracts on bone marrow eosinophiles of mice, 518

Durso, Jane G., see Warren, George H., 408

Emerson, William J., Paul C. Zamecnik and Ira T. Nathanson. The effect of sex hormones on hepatic and renal lesions induced in rats by a choline-deficient diet, 548

Engel, Frank L., and James L. Scott, Jr. The role of hormones in adipose tissue glycogen synthesis in the rat: the adrenal cortex, 56

Ershoff, Benjamin. Failure of growth hormone to promote a weight increment in immature rats under conditions of low environmental temperature, 111

Evans, Herbert M., see Simpson, Miriam E., 370

Fager, Jean, see Money, William L., 682

Farber, Emmanuel, Dieter Koch-Weser and Hans Popper. The influence of sex and of testosterone upon fatty liver due to ethionine, 205

Fazekas, Joseph F., F. Burton Graves and Ralph W. Alman. The influence of the thyroid on cerebral metabolism, 169

Ferrebee, J. W., B. B. Johnson, J. C. Mithoefer and J. W. Gardella. Insulin and adrenocorticotropin labelled with radio-iodine, 277

Finerty, J. C., see Hall, C. E., 591

Fortier, Claude, see Guillemin, Roger, 617

Friedberg, Felix, see Marshall, Lawrence M., 113

Frieden, Edward H., and Frederick L. Hisaw. The mechanism of symphyseal relaxation. The distribution of reducing groups, hexoseamine, and proteins in symphyses of normal and relaxed guinea pigs, 88

Gaebler, O. H., and James C. Mathies. The effect on growth hormone on hepatic catalase and on cell volume and hemoglobin content of blood in rats, 623

Gardella, J. W., see Ferrebee, J. W., 277

Gardner, Lytt I., see Deane, Helen Wendler, 237

Garrett, Fern A., see Talmage, Roy V., 162

Gassner, F. X., see Barrett, Harold W., 189

Gassner, F. X., see Barrett, Harold W., 197

Gaunt, Robert, see Nagareda, C. Susan, 560

Ghosh, B. N., Dixon M. Woodbury and George Sayers. Quantitative effects of thyrotrophic hormone on I^{131} ac-

cumulation in thyroid and plasma proteins of hypophysectomized rats, 631

Goldberg, Edward D., see Lin, Teh Ping, 485

Goldberg, R. C., and I. L. Chaikoff. On the nature of the hypertrophied pituitary gland induced in the mouse by I^{131} injections, and the mechanism of its development, 1

Gordon, Albert S., see Megel, Herbert, 391

Govaerts, J., M. J. Dallemagne and J. Melon. Radiocalcium as an indicator in the study of the action of estradiol on calcium metabolism, 443

Graves, F. Burton, see Fazekas, Joseph F., 169

Gray, William D., and Paul L. Munson. The rapidity of the adrenocorticotropic response of the pituitary to the intravenous administration of histamine, 471

Grayhack, John T., and William Wallace Scott. Observation on the *in vivo* inactivation of testosterone propionate by the liver of the white rat, 453

Griffiths, Mervyn. The effect of alloxan in methionine- and cystine-deficient guinea pigs, 117

Grollman, Arthur, and Andrew Konnerth. The effect of cortisone and the adrenocorticotrophic hormone of the pituitary on the blood pressure in experimental renal hypertension, 213

Gross, J., and C. P. Leblond. The presence of free iodinated compounds in the thyroid and their passage into the circulation, 714

Gross, J., see Dougherty, J., 700

Gubler, C. J., see Hamilton, L. D., 44

Guillemin, Roger, and Claude Fortier. Inhibition of DCA induced hypertension and hyalinosis by a drug acting on membrane permeability, 617

Haley, Thomas J., Samuel Mann and Andrew H. Dowdy. The effect of roentgen ray irradiation on normal, hypothyroid and hyperthyroid rats, 365

Hall, C. E., J. C. Finerty, O. Hall and M. Hess. The effect of acute and chronic desoxycorticosterone acetate pretreatment on the pituitary-adrenal response to stress, 591

Hall, O., see Hall, C. E., 591

Hamilton, L. D., C. J. Gubler, Helen Ashenbrucker, G. E. Cartwright and M. M. Wintrobe. Studies on the relationship of the adrenal cortex to the experimental production of hypoferremia in rats, 44

Harris, Ruth Slaton, and Saul L. Cohen. The influence of ovarian hormones on the enzymic activities of tissues, 264

Havens, W. P., Jr., see Williams, T. L., 651

Heller, Carl G., see Mortimore, Glenn E., 143

Hess, M., see Hall, C. E., 591

Higgins, George M., Kathryn A. Woods and Edward C. Kendall. Some observations on the physiologic activity of $\Delta^{1,6}$-Dehydrocortisone (Diene), 175

Hillyard, Lewis, see Wick, Arne N., 137

Hisaw, Frederick L., see Frieden, Edward H., 88

Hokfelt, B., see von Euler, U. S., 98

Humm, Frances D., Paul L. Munson and William T. Salter. A comparison of urinary estrogens determined biologically and of "estroids" determined chemically, 225

Hundley, James M., and Robert B. Ing. Effect of adrenalectomy and hypophysectomy on achromotrichia in copper deficient rats, 482

Illingworth, Barbara A., and Jane A. Russell. The effects of growth hormone on glycogen in tissues of the rat. 423

Ing, Robert B., see Hundley, James M., 482

Ingle, Dwight J., and Burton L. Baker. The effect of adrenalectomy in the rat

upon the rate of growth of transplantable tumors, 313

INGLE, DWIGHT J., AND JAMES E. NEZAMIS. Effect of cortisone acetate upon growth of a lymphosarcoma in the rat, 484

INGLE, DWIGHT J., AND BURTON L. BAKER. The inhibition of hair growth by estrogens as related to adrenal cortical function in the male rate, 764

JOHNSON, B. B., see FERREBEE, J. W., 277

JOHNSON, HERBERT W., AND A. ALBERT. The excretion and distribution of I^{131} following administration of physiologic amounts of labeled iodine, diiodotyrosine and thyroxine in the rat, 669

KARNOFSKY, DAVID A., LOIS P. RIDGWAY AND PRISCILLA A. PATTERSON. Growth-inhibiting effect of cortisone acetate on the chick embryo, 596

KENDALL, EDWARD C., see HIGGINS, GEORGE M., 175

KENYON, ALLAN T., see LANDAU, RICHARD L., 489

KESTON, ALBERT S., see SONENBERG, MARTIN, 148

KIELY, C. E., JR., see BARKER, S. B., 70

KILTGAARD, H. M., H. B. DIRKS, JR., S. B. BARKER, S. C. WANG AND S. WAWZONEK. Inhibition of thyroxine action by iodinated phenoxyacetic acids, 525

KILTGAARD, H. M., see BARKER, S. B., 70

KIRSCHNER, LORRAINE, see MONEY, WILLIAM L., 682

KLINE, IRENE T., AND RALPH I. DORFMAN. Testosterone stimulation of seminal vesicles in pteroylglutamic acid-deficient rats, 34

KLINE, IRENE T., RALPH I. DORFMAN AND PATRICIA MCCREERY. Testosterone stimulation of the oviduct in vitamin-deficient chicks, 39

KLINE, IRENE T., AND RALPH I. DORFMAN. Estrogen stimulation of the oviduct in vitamin-deficient chicks, 345

KNOWLTON, KATHRYN, see LANDAU, RICHARD L., 489

KNOWLTON, KATHRYN, see LANDAU, RICHARD L., 506

KOCH-WESER, DIETER, see FARBER, EMMANUEL, 205

KONNERTH, ANDREW, see GROLLMAN, ARTHUR, 213

KORETSKY, I. B., see ZARROW, M. X., 125

KRAINTZ, LEON, see MONEY, WILLIAM L., 682

KUMAGAI, L. F., see DOUGHERTY, THOMAS F., 691

LADMAN, AARON J., AND MEREDITH N. RUNNER. Comparison of sensitivities of the immature and pregnant mouse for estimation of gonadotropin, 358

LANDAU, RICHARD L., KATHRYN KNOWLTON, KATHLEEN LUGIBIHL AND ALLAN T. KENYON. The effect of adrenal stimulation with adrenocorticotrophic hormone on the excretion of dehydroisoandrosterone in man, 489

LANDAU, RICHARD L., KATHRYN KNOWLTON, KATHLEEN LUGIBIHL AND PAUL L. MUNSON. The determination of urinary dehydroisoandrosterone in normal men and women and in adrenal disease, 506

LEBLOND, C. P., see DOUGHERTY, J., 700

LEBLOND, C. P., see GROSS, J., 714

LI, CHOH HAO, see ASLING, C. WILLET, 534

LI, CHOH HAO, see SIMPSON, MIRIAM E., 370

LI, CHOH HAO, see ULRICH, FRANK, 245

LIN, TEH PING, AND EDWARD D. GOLDBERG. Accumulation of radioiodine in the thyroid gland of elasmobranchs, 485

LORENZ, NONA, see RANDALL, RAYMOND V., 339

LOWREY, GEORGE H., see SLOAN, CHARLES H., 384

LUGIBIHL, KATHLEEN, see LANDAU, RICHARD L., 489

LUGIBIHL, KATHLEEN, see LANDAU, RICHARD L., 506

LYONS, WILLIAM R., see NELSON, MARJORIE M., 726

MacKay, Eaton M., see Wick, Arne N., 137

Manaro, Julio Morato, and Aniela Zygmuntowicz. Use of osmium tetraoxide as a reagent for assaying corticosteroids, 114

Mann, Samuel, see Haley, Thomas J., 365

Marshall, Lawrence M., and Felix Friedberg. Effect of ACTH on the incorporation of C^{14} of glycine in tissue proteins, 113

Mason, Richard C., see Breneman, 752

Mathies, James C., see Gaebler, O. H., 623

McCreery, Patricia, see Kline, Irene T., 39

Megel, Herbert, and Albert S. Gordon. The relation of the adrenal to red blood cell fragility, 391

Meites, Joseph, see Puntriano, G., 217

Melon, J., see Govaerts, J., 443

Meyer, Roland K., see Byrnes, William W., 133

Meyer, Roland K., see Durgin, M. L., 518

Mithoefer, J. C., see Ferrebee, J. W., 277

Money, William L., Leon Kraintz, Jean Fager, Lorraine Kirschner and Rulon W. Rawson. The effects of various steroids on the collection of radioactive iodine by the thyroid gland of the rat, 682

Money, William L., see Sonenberg, Martin, 148

Morris, David M. The influence of thyroid hormone and androgen on comb growth in the white leghorn cockerel, 257

Mortimore, Glenn E., C. Alvin Paulsen and Carl G. Heller. The effect of steroids and lactone derivatives on hypophyseal gonadotrophin content, 143

Moses, Campbell, see Boatman, Joseph B., 413

Munson, Paul L., see Humm, Frances D., 225

Munson, Paul L., see Gray, William D., 471

Munson, Paul L., see Landau, Richard L., 506

Murlin, John R., see Ryer, Robert, III, 75

Nagareda, C. Susan, and Robert Gaunt. Functional relationship between the adrenal cortex and posterior pituitary, 560

Nathansln, Ira T., see Emerson, William J., 548

Nelson, Marjorie M., William R. Lyons and Herbert M. Evans. Maintenance of pregnancy in pyridoxine-deficient rats when injected with estrone and progesterone, 726

Nezamis, James E., see Ingle, Dwight J., 484

Paschkis, K. E., see Williams, T. L., 651

Patterson, Priscilla A., see Karnofsky, David A., 596

Paulsen, C. Alvin, see Mortimore, Glenn E., 143

Perry, William F., A method for measuring thyroid hormone secretion in the rat with its application to the bioassay of thyroid extracts, 643

Peschel, Ernst, Bernard Black-Schaffer and Clotilde Schlayer. Potassium deficiency as cause of the so-called rheumatic heart lesions of the adaptation syndrome, 399

Politou, V. C., see Sturgis, S. H., 435

Popper, Hans, see Farber, Emmanuel, 205

Puntriano, G., and Joseph Meites. The effects of continuous light or darkness on thyroid function in mice, 217

Randall, Raymond V., and A. Albert. The effect of hypophysectomy on the uptake of radioactive iodine by the thyroid of the rat, 327

Randall, Raymond V., Nona Lorenz, and A. Albert. The effect of hypophysectomy on the biologic decay of thyroidal radioiodine, 339

RAWSON, RULON W., see MONEY, WILLIAM L., 682
REINHARDT, W. O., see ASLING, C. WILLET, 534
REINHARDT, WILLIAM O., see ULRICH, FRANK, 245
RIDGWAY, LOIS P., see KARNOFSKY, DAVID, 596
ROBERTS, SIDNEY, AND ABRAHAM WHITE. The influence of the adrenal cortex on antibody production *in vitro*, 741
ROBERTSON, O. H. A study of the melanophore-concentrating effect of mammalian thyroid extract in rainbow trout, 658
RUNNER, MEREDITH N., see LADMAN, AARON J., 358
RUSSELL, JANE A., The effect of growth hormone of glycosuria in the diabetic rat, 462
RUSSELL, JANE A., see ILLINGWORTH, BARBARA A., 423
RYER, ROBERT, III, AND JOHN R. MURLIN. The energy metabolism of normal rabbits as influenced by thyrotropic hormone, insulin, thyroxin, and the combination of insulin and thyroxin, 75

SALTER, WILLIAM T., see HUMM, FRANCES D., 225
SAYERS, GEORGE, see GHOSH, B. N., 631
SCHLAYER, CLOTILDE, see PESCHEL, ERNST, 399
SCOTT, JAMES L., see ENGEL, FRANK L., 56
SCOTT, WILLIAM WALLACE, see GRAYHACK, JOHN T., 453
SIMPSON, MIRIAM E., CHOH HAO LI, AND HERBERT M. EVANS. Synergism between pituitary follicle stimulating hormone (FSH) and human chorionic gonadotropin (HCG), 370
SLOAN, CHARLES H., AND GEORGE H. LOWREY. The elimination of a common error in the determination of total 17-ketosteroid by the m-dinitrobenzene reaction, 384
SONENBERG, MARTIN, ALBERT S. KESTON, AND WILLIAM L. MONEY. Studies with labelled anterior pituitary preparations: Adrenocorticotropin, 148
STEWART, G. S., AND H. F. BOWEN. The parathyroid control of serum calcium independent of renal mediation, 568
STURGIS, S. H., AND V. C. POLITOU. Intravenous assay of preparations causing ovarian hyperemia in the immature rat, 435
SZEGO, CLARA M., AND ABRAHAM WHITE. The influence of castration on fasting metabolism, 576

TABER, ELSIE. Androgen secretion in the fowl, 6
TALMAGE, ROY V., AND FERN A. GARRETT. Effects of repeated injections of the steroids and relaxin on the symphysis pubis of the guinea pig as studied by x-ray, 162
TORESON, W. E., see DUFF, G. LYMAN, 289

ULRICH, FRANK, D. HAROLD COPP, C. WILLET ASLING, CHOH HAO LI AND WILLIAM O. REINHARDT. The effects of ACTH on the metabolism of radioactive calcium in normal and hypophysectomized rats, 245

VON EULER, U. S., AND B. HOKFELT. Influence of hypophysectomy upon the distribution of noradrenaline and adrenaline in the spleen of the rat, 98

WANG, S. C., see BARKER, S. B., 70
WANG, S. C., see KILTGAARD, H. M., 525
WARREN, GEORGE H., AND JANE G. DURSO. A synovial fluid clot prevention test for the determination of hyaluronidase activity, 408
WAWZONEK, S., see BARKER, S. B., 70
WAWZONEK, S., see KILTGAARD, H. M., 525
WHITE, ABRAHAM, see ROBERTS, SIDNEY, 741
WHITE, ABRAHAM, see SZEGO, CLARA M., 576
WICK, ARNE N., LEWIS HILLYARD, AND EATON M. MACKAY. A method for measuring and the effect of adrenocorticotropic hormone on lipid-soluble reducing substances of rabbit plasma, 137

Williams, T. L., A. Cantarow, K. E. Paschkis, and W. P. Havens, Jr. Urinary 17-Ketosteroids in chronic liver disease, 651

Wintrobe, M. M., see Hamilton, L. D., 44

Wolff, J. Some factors that influence the release of iodine from the thyroid gland, 284

Woodbury, Dixon M., see Ghosh, B. N., 631

Woods, Kathryn A., see Higgins, George M., 175

Zamecnik, Paul C., see Emerson, William J., 548

Zarrow, I. G., see Zarrow, M. X., 125

Zarrow, M. X., I. B. Koretsky and I. G. Zarrow. Failure of folic acid antagonist to interfere with the action of testosterone propionate on the combs and testes of young cockerels, 125

Zygmuntowicz, Aniela, see Manaro, Julio Morato, 114

SUBJECT INDEX, VOLUME 48

Adaptation syndrome
  and potassium deficiency, 399
  and pituitary-adrenal response, 591
  and lymphatic tissue, 691
Adrenal
  and hypoferremia, 44
  and fat, 56
  and dietary fats and oils, 101
  activity of dehydrocorticosterone (diene), 175
  and hypertension, 213
  and ouabain, 237
  and tumor growth, 313
  and blood eosinophiles, 316
  and red cell fragility, 391
  and histamine, 471
  and achromotricia, 482
  and lymphosarcoma, 484
  and androgens, 489, 506
  and eosinophiles, 518
  and posterior pituitary, 560
  and stress, 591
  and growth, 596
  and antibody production, 752
  and hair growth, 764
Adrenaline
  and noradrenaline in spleen of rat, 98
Alloxan
  in SH deficient animals, 117
  and pancreatic glycogen, 298
Androgen
  secretion in fowl, 6
  in pteroylglutamic deficiency, 34
  and oviduct, 39
  and folic acid, 125
  and fatty liver, 205
  and comb growth, 257
  inactivation in liver, 453
  and adrenal secretion, 489, 506
  and fasting metabolism, 576
  in liver disease, 651
  and pituitary-gonad relations, 752
Antithyroid compounds
  activity of halogenated thiouracils, 189
  halogenated thiouracils and O_2 consumption, 197
  and radioiodine clearances, 413
  phenoxyacetic acids, 525
Assay
  of corticosteroids with osmic acid, 114
  of estrogens, 225
  of adrenal hormone by blood eosinophiles, 316
  of gonadotrophin, 358
  of 17-Ketosteroids, 384
  of hyaluronidase, 408
  of gonadotropins by ovarian hyperemia, 435
  of thyroid hormone, 643
Association Notice, 123, 239

Blood
  adrenal and hypoferremia, 44
  eosinophiles and adrenal, 316
  red cell fragility and adrenal, 391
  adrenal and bone marrow, 518
  and adrenotropin, 534
  and growth hormone, 623
  progesterone during cycle, 733
Book reviews
  American Lecture Series, 119
Brain
  metabolism and thyroid, 169

Corpus Luteum
  and maintenance of pregnancy, 17
  blood progesterone, 733

Diet
  androgens in pteroylglutamic deficiency, 34
  and androgen stimulation in oviduct, 39
  and adrenal cholesterol, 101
  alloxan and SH deficiency, 117

folic acid and androgens, 125
ethionine and fatty livers, 205
and estrogen stimulation, 345
choline deficiency and liver and kidney, 584
pyridoxine and pregnancy, 726

Environment
and growth hormone, 111
light and thyroid function, 217
Enzymes
phosphatase in genital tract, 25
and estrogens, 264
assay of hyaluronidase, 408
growth hormone and catalase, 623
Estrogens
and phosphatase in genital tract, 25
and gonadotrophin secretion, 133
and symphysis pubis, 162
and tissue enzymes, 264
in vitamin deficiency, 345
and calcium metabolism, 443
and hair growth, 764
Ethionine
and fatty liver, 205

Fat
and adrenal cortex, 56
blood lipids and adrenotropin, 137
in liver and ethionine, 205

Glycogen
and adrenal in fat synthesis, 56
deposition in pancreas, 298
effects of growth hormone on, 423
Glycosuria
effect of growth hormone on, 462

Hair
achromotricia and adrenal, 482
hair growth, estrogens and adrenal, 764
Histochemistry
phosphatase in genital tract, 25
reducing groups and hexoseamine in pubic ligament, 88
estrogens and enzymic activity of tissues, 264
of sow's ovary, 772
Hypertension
and adrenal, 213
and membrane potentials, 617

Insulin
and energy metabolism, 75
labelled with radioiodine, 277
and glycogen of pancreas, 298

Kidney
and choline deficiency, 548
and serum calcium, 568

Liver
and testosterone inactivation, 453
in choline deficiency, 548
and androgen excretion, 651

Melanophores
and thyroid extracts, 658

Ovary
and maintenance of pregnancy, 17
induced ovulation and pregnancy, 273
hyperemia as an assay procedure, 435
in pyridoxine deficiency, 726
histochemistry of, 772
Oviduct
androgen stimulation in vitamin deficiency, 39

Parathyroid
and serum calcium, 568
Phosphatase
in genital tract, 25
Pituitary
hypertrophy after radioiodine, 1
thyrotropin and energy metabolism, 75
growth hormone and low temperature, 111
ACTH and glycine metabolism, 113
gonadotrophin and estrogen, 133
adrenocorticotropin and blood lipids, 137
gonadotropin and inhibition of steroids, 143
labelled adrenotrophin, 148
and hypertension, 213
adrenotropin and calcium metabolism, 245
disappearance of thyrotropin from blood, 249
labelled adrenotropin, 277
and thyroid uptake of radioiodine, 327

thyrotropin in starvation, 341
synergism of gonadotropins, 370
growth hormone and tissue glycogen, 423
growth hormone and glycosuria, 462
adrenotropin and adrenal, 489
and growth and blood, 534
posterior pituitary and adrenal, 560
and stress, 591
Pregnancy
maintenance in rabbit, 17
and induced ovulation, 273
and dietary deficiency, 726

Radioiodine
and pituitary hypertrophy, 1
labelled adrenotropin, 277
uptake in thyroid, 327
biological decay of thyroid radioiodine, 334, 339
clearances in rats, 413
in elasmobranch thyroid, 485
uptake and thyrotropin, 631
excretion and distribution, 669
steroids and uptake of, 682
and thyroid steady state, 700
in thyroid, 714
Relaxin
and chemistry of symphysis pubis, 88
effect on symphysis, 162

Seminal Vesicle
androgen stimulation in B-vitamin deficiency, 34
Starvation
and blood thyrotropin, 341

Thyroid
analogues of thyroxine, 70
and energy metabolism, 75
and brain metabolism, 169
action of halogenated thiouracil, 189
halogenated thiouracil and O_2 consumption, 197
effect of light on, 217
and comb growth, 257
and iodine release, 284
and iodine uptake, 327
biological decay of radioiodine, 334, 339
and x-irradiation, 365
and radioiodine clearances, 413
of elasmo branchs, 485
inhibition of, 525
and radioiodine uptake, 631
rate of secretion, 643
and melanophores, 658
uptake of radioiodine by, 682
steady state, 700
free iodinated compounds, 714
Thyroxine
analogues of, 70
and energy metabolism, 75
inhibition of, 525
distribution and excretion, 669
Tumor
growth after adrenalectomy, 313
lymphosarcoma and adrenal, 484

X-Ray
and relation to thyroid, 365